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Docket No.: Rudrapatna 8

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Applicant: Ashok N. Rudrapatna

Serial No.: 09/638,025

Filed: August 14, 2000

Title: LOCATION BASED ADAPTIVE ANTENNA SCHEME FOR
WIRELESS DATA APPLICATIONS

Including: Preliminary Amendment (3 pages), Amendment Transmittal
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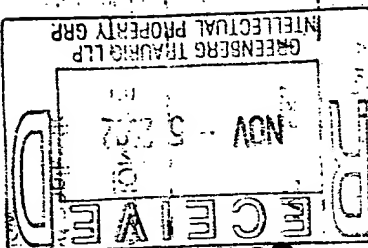
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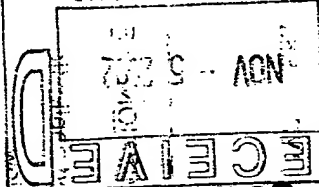
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Ashok N. Rudrapatna

Case : 8

Serial No. : 09/638,025

Filing Date : August 14, 2000

Title : Location Based Adaptive Antenna Scheme For Wireless
Data Applications

Group Art Unit : 3661

Examiner : Not Yet Assigned

THE COMMISSIONER OF PATENTS AND TRADEMARKS

PRELIMINARY AMENDMENT

Applicant hereby submits this Preliminary Amendment for the above identified application.

IN THE CLAIMS

Please cancel claims 1-29. Add new claims 30- 38.

30. (new) A method of communicating comprising the step of:

modifying at least one antenna's beam width based on received radio resource allocation instructions for signals to be transmitted and/or received by the at least one antenna.

31. (new) The method of claim 30 where the step of modifying at least one antenna's beam width comprises the steps of:

receiving information related to at least one or any combination of the following:

(a) location of a mobile in communication with the at least one antenna;

(b) SNR of signals conveyed between the at least one antenna and the mobile;

(c) data rate of signals conveyed between the at least one antenna and the mobile;

processing the received information to generate radio resource allocation instructions; and

conveying the radio resource allocation instructions to a beamformer coupled to the at least one antenna.

32.(new) The method of claim 30 where the radio resource allocation instructions comprise information related to data rate of the signals, SNR of the signals, power level of the signals, location information of a mobile in communication with the at least one antenna and quality of service needs of a user of the mobile.

33.(new) The method of claim 30 where the at least one antenna is part of a wireless communication system and the beam width of the at least one antenna of a forward link of the communication system is modified.

34.(new) The method of claim 30 where the at least one antenna is part of a wireless communication system and the beam width of the at least one antenna of a reverse link of the communication system is modified.

35.(new) The method of claim 33 where the at least one antenna whose beam width is modified is part of base station equipment of the communication system.

36.(new) The method of claim 33 where the at least one antenna whose beam width is modified is part of a mobile unit of the communication system.

37. (new) The method of claim 34 where the at least one antenna whose beam width is modified is part of base station equipment of the communication system.

38.(new) The method of claim 34 where the at least one antenna whose beam width is modified is part of a mobile unit of the communication system.

REMARKS

Applicant hereby submits new claims 30-38 to replace the originally filed claims 1-29. The new claims are fully supported by the specification and do not introduce new matter. The Examiner is asked to contact Applicant's attorney if the Examiner has any questions regarding this Preliminary Amendment.

Respectfully,
Ashok N. Rudrapatna

By Claude R. Narcisse
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October 23, 2002

AMENDMENT TRANSMITTAL LETTER (Large Entity) Applicant(s): Ashok N. RUDRAPATNA	Docket No. Rudrapatna 8
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Serial No. 09/638,025	Filing Date August 14, 2002	Examiner Not Yet Assigned	Group Art Unit 3661
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Invention: LOCATION BASED ANTENNA SCHEME FOR WIRELESS DATA APPLICATIONS

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is an amendment in the above-identified application.
 The fee has been calculated and is transmitted as shown below.

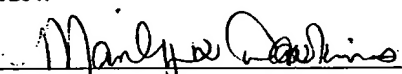
CLAIMS AS AMENDED						
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT		RATE	ADDITIONAL FEE
TOTAL CLAIMS	9 -	29 =	0	x	\$18.00	\$0.00
INDEP. CLAIMS	1 -	3 =	0	x	\$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>						\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$0.00

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 - ☐ Any patent application processing fees under 37 CFR 1.17.

Claude R. Narcisse
Signature

Dated: October 23, 2002

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I certify that this document and fee is being deposited on 10/23/2002 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.
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Marilyn Dawkins <i>Typed or Printed Name of Person Mailing Correspondence</i>

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